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**R-009-207.11**

**OU#5 GW STANDARD  
U.S. DOE FERNALD  
OH6 890 008 976**

**11/02/90**

**USEPA/DOE-FSO  
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LETTER  
OU5**



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 5  
230 SOUTH DEARBORN ST.  
CHICAGO, ILLINOIS 60604

2458

NOV 02 1990

REPLY TO ATTENTION OF:

Mr. Andrew P. Avel  
United States Department of Energy  
Feed Materials Production Center  
P.O. Box 398705  
Cincinnati, Ohio 45239-8705

5HR-12

Re: OU#5 GW Standard  
U.S. DOE Fernald  
OH6 890 008 976

Dear Mr. Avel:

On September 27, 1990, the United States Department of Energy (U.S. DOE) submitted a groundwater cleanup action level for the Fernald site. This proposal was discussed in an October 30, 1990, conference call that dealt with general risk assessment issues.

As stated in our tele-conference, the requirements of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), the National Contingency Plan (NCP), and available Applicable and Relevant and Appropriate Requirements (ARARs) will drive the cleanup levels. For systemic toxicants, acceptable exposure levels shall represent concentration levels to which the human population, including sensitive subgroups, may be exposed without an adverse effect during a lifetime or part of a lifetime incorporating an adequate margin of safety. For known or suspected carcinogens, acceptable exposure levels are generally concentration levels that represent an excess upper bound lifetime cancer risk to an individual of between 10<sup>-4</sup> and 10<sup>-6</sup>. The 10<sup>-6</sup> risk level shall be used as the point of departure for determining remediation goals for alternatives when ARARs are not available or are not sufficiently protective because of the presence of multiple contaminants at a site or multiple pathways of exposure.

If there any questions, please contact me at (312/FTS) 886-4436.

Sincerely,

Catherine A. McCord  
Remedial Project Manager

cc: Richard Shank, OEPA  
Graham Mitchell, OEPA - SWDO  
Joe LaGrone, U.S. DOE - ORO  
Leo Duffy, U.S. DOE - HDQ

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